

국내 화학산업 동향

INDUSTRY TRENDS : Chemical up strongly

| Index, 1985=100                                                 | 1990  | 1989  | 1988  | 1987  | Change<br>1989-90 |
|-----------------------------------------------------------------|-------|-------|-------|-------|-------------------|
| <b>Chemicals, Petroleum, coal, rubber, and plastic products</b> |       |       |       |       |                   |
| Production                                                      | 172.9 | 154.8 | 150.7 | 127.6 | 12%               |
| Shipments                                                       | 174.4 | 152.7 | 146.8 | 124.5 | 14                |
| Inventories                                                     | 176.1 | 155.4 | 128.6 | 114.2 | 13                |
| <b>Industrial Chemicals</b>                                     |       |       |       |       |                   |
| Production                                                      | 188.6 | 156.6 | 149.3 | 128.0 | 20                |
| Shipments                                                       | 184.7 | 151.6 | 146.1 | 128.2 | 22                |
| Inventories                                                     | 183.0 | 164.6 | 117.6 | 107.1 | 11                |
| <b>Other Chemical Products</b>                                  |       |       |       |       |                   |
| Production                                                      | 205.5 | 183.0 | 171.3 | 133.1 | 12                |
| Shipments                                                       | 209.4 | 186.5 | 170.0 | 135.6 | 12                |
| Inventories                                                     | 234.6 | 195.5 | 159.5 | 121.7 | 20                |
| <b>Rubber Products</b>                                          |       |       |       |       |                   |
| Production                                                      | 144.7 | 128.1 | 151.1 | 140.1 | 13                |
| Shipments                                                       | 143.8 | 128.1 | 150.9 | 139.2 | 12                |
| Inventories                                                     | 122.3 | 123.1 | 131.2 | 119.4 | -1                |
| <b>Plastic Products</b>                                         |       |       |       |       |                   |
| Production                                                      | 158.9 | 156.9 | 159.5 | 138.1 | 1                 |
| Shipments                                                       | 151.2 | 145.5 | 143.3 | 133.4 | 4                 |
| Inventories                                                     | 225.9 | 193.3 | 143.3 | 143.5 | 17                |
| <b>All Manufacturing</b>                                        |       |       |       |       |                   |
| Production                                                      | 186.5 | 171.3 | 166.3 | 146.6 | 9                 |
| Shipments                                                       | 191.0 | 171.6 | 164.6 | 145.1 | 11                |
| Inventories                                                     | 190.7 | 162.1 | 137.6 | 120.7 | 18                |

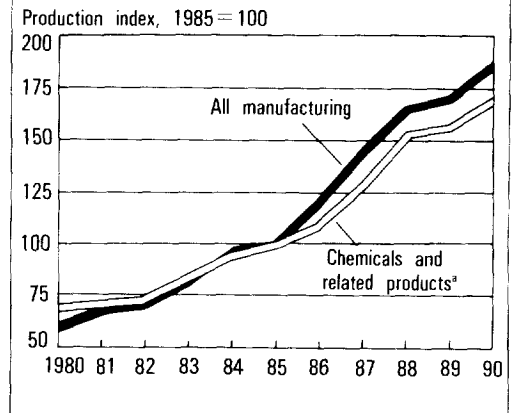
Source : Korean National Statistical Office

FOREIGN TRADE : Imports far outpace exports

| \$ Millions                     | 1990      | 1989      | 1988      | 1987      |
|---------------------------------|-----------|-----------|-----------|-----------|
| Exports <sup>a</sup>            | \$ 65,016 | \$ 62,377 | \$ 60,696 | \$ 47,281 |
| Imports <sup>b</sup>            | 69,844    | 61,465    | 51,811    | 41,020    |
| Trade Balance                   | -4,828    | 912       | 8,886     | 6,261     |
| Chemical Exports <sup>a,c</sup> | 2,511     | 2,050     | 1,879     | 1,321     |
| Chemical Imports <sup>b,c</sup> | 7,434     | 7,158     | 6,282     | 4,595     |
| Chemical Trade Balance          | -4,922    | -5,108    | -4,404    | -3,274    |

a Free on board. b Includes cost, insurance, freight. c Includes chemicals and related products. Source : Korean Office of Customs Administration

Growth picks up in 1990 for South Korean chemicals production



<sup>a</sup> includes petroleum, coal, rubber, and plastic products.

Source : Korean National Statistical Office

PRODUCTION : Organics post biggest gains

| Thousands of metric tons | 1990 | 1989 | 1988 | 1987 | Change<br>1989-90 |
|--------------------------|------|------|------|------|-------------------|
| Complex fertilizers      | 1926 | 1985 | 2076 | 2026 | -3%               |
| Ethylene                 | 1054 | 663  | 609  | 576  | 59                |
| Urea fertilizers         | 883  | 888  | 1000 | 911  | 0                 |
| Polyethylene             | 786  | 637  | 572  | 469  | 23                |
| Polyester fibers         | 730  | 654  | 593  | 496  | 12                |
| Propylene                | 608  | 375  | 351  | 328  | 62                |
| Polypropylene            | 574  | 530  | 518  | 348  | 8                 |
| Polyvinyl chloride       | 526  | 464  | 455  | 451  | 14                |
| Polystyrene              | 507  | 434  | 341  | 304  | 17                |
| Benzene                  | 381  | 305  | 308  | 339  | 25                |
| Synthetic detergents     | 342  | 297  | 278  | 214  | 15                |
| Sodium hydroxide         | 328  | 295  | 311  | 262  | 11                |

Source : Korean National Statistical Office

<C&EN, June 24, 80, 1991>

편집자 주 : 본 면은 고분자 산업에 관련된 모든 통계자료를 국내외의 참고자료로 부터 발췌하여 게재할 계획임.

국내 범용수지 생산 및 수출입현황

(단위 : MT)

|         | LDPE    |        |        | HDPE    |        |         | PP      |        |        | PS/ABS  |        |         |
|---------|---------|--------|--------|---------|--------|---------|---------|--------|--------|---------|--------|---------|
|         | 생산      | 수입     | 수출     | 생산      | 수입     | 수출      | 생산      | 수입     | 수출     | 생산      | 수입     | 수출      |
| 1983    | 141,162 | 38,338 | 8,566  | 127,798 | 21,577 | 17,282  | 199,491 | 34,892 | 35,798 | 156,230 | 7,684  | 29,056  |
| 1984    | 183,233 | 33,635 | 19,463 | 128,667 | 35,664 | 4,233   | 214,011 | 30,059 | 24,063 | 196,177 | 9,233  | 30,520  |
| 1985    | 205,072 | 42,816 | 29,037 | 156,655 | 34,890 | 3,170   | 267,707 | 22,014 | 51,594 | 244,165 | 6,310  | 66,020  |
| 1986    | 198,119 | 64,118 | 313    | 181,383 | 52,901 | 2,841   | 273,574 | 24,301 | 8,708  | 346,661 | 7,000  | 87,389  |
| 1987    | 248,378 | 74,947 | 97     | 211,250 | 88,134 | 96      | 346,332 | 38,011 | 2,710  | 433,362 | 7,000  | 76,734  |
| 1988    | 293,999 | 63,499 | 62     | 270,721 | 41,690 | 3,159   | 501,092 | 9,443  | 47,243 | 485,261 | 11,006 | 76,008  |
| 1989    | 284,103 | 88,611 | 13,443 | 322,106 | 52,560 | 23,455  | 548,011 | 15,173 | 92,812 | 613,355 | 10,397 | 177,618 |
| 1990    | 369,486 | 77,781 | 15,217 | 496,640 | 33,210 | 125,594 | 606,698 | 15,824 | 74,566 | 703,258 | 12,350 | 177,983 |
| 1990. 7 | 37,154  | 3,663  | 615    | 43,245  | 1,989  | 12,543  | 43,934  | 900    | 3,698  | 67,989  | 1,064  | 17,528  |
| 8       | 35,507  | 4,963  | 1,731  | 49,321  | 1,542  | 10,027  | 59,278  | 482    | 4,899  | 69,089  | 913    | 14,871  |
| 9       | 34,589  | 6,510  | 32     | 36,289  | 2,057  | 8,145   | 52,278  | 418    | 4,348  | 57,411  | 806    | 11,929  |
| 10      | 30,353  | 5,059  | 268    | 35,246  | 1,883  | 3,092   | 52,359  | 412    | 5,379  | 63,502  | 937    | 15,080  |
| 11      | 32,109  | 11,848 | —      | 34,509  | 7,233  | 3,516   | 49,821  | 1,198  | 4,795  | 56,805  | 1,901  | 14,522  |
| 12      | 32,219  | 8,216  | 443    | 38,216  | 4,530  | 7,407   | 49,575  | 1,250  | 5,044  | 49,764  | 1,162  | 13,931  |
| 1991. 1 | 36,560  | 5,893  | 401    | 48,537  | 2,534  | 5,066   | 62,191  | 1,270  | 5,165  | 57,338  | 1,430  | 16,321  |
| 2       | 29,489  | 3,736  | 409    | 32,047  | 2,823  | 8,860   | 42,146  | 1,416  | 14,942 | 61,527  | 1,127  | 24,110  |
| 3       | 26,311  | 3,943  | 2,580  | 35,625  | 2,285  | 9,515   | 50,987  | 1,090  | 11,197 | 65,223  | 975    | 27,348  |
| 4       | 30,859  | 5,264  | 3,898  | 42,980  | 2,222  | 13,337  | 47,078  | 1,384  | 4,004  | 69,667  | 1,290  | 25,671  |
| 5       | 31,739  | 7,849  | 5,141  | 46,205  | 1,887  | 14,368  | 56,463  | 2,023  | 15,658 | 71,079  | 1,204  | 24,889  |
| 6       | 37,041  | 5,435  | 7,672  | 56,794  | 2,284  | 19,377  | 63,149  | 1,606  | 22,805 | 75,951  | 1,441  | 29,201  |
| 7       | 38,185  | 2,873  | 4,911  | 50,423  | 1,772  | 14,046  | 63,988  | 1,508  | 20,369 | 78,326  | 1,484  | 29,945  |
| 8       | 39,025  | 2,339  | 2,931  | 57,836  | 1,678  | 22,529  | 65,316  | 819    | 21,425 | 81,255  | 1,033  | 29,258  |
| 9       | 43,244  | 3,045  | 7,141  | 60,827  | 2,071  | 24,957  | 67,011  | 619    | 26,573 | 79,227  | 849    | 28,887  |

|         | Petroleum Resin |       |       | PVC     |         |         | SBR     |        |        | SBR-Latex |        |     |
|---------|-----------------|-------|-------|---------|---------|---------|---------|--------|--------|-----------|--------|-----|
|         | 생산              | 수입    | 수출    | 생산      | 수입      | 수출      | 생산      | 수입     | 수출     | 생산        | 수입     | 수출  |
| 1983    | 7,065           | 1,908 | 4,586 | 310,133 | 2,239   | 61,927  | 70,182  | 7,368  | 8,654  | —         | 9,358  | —   |
| 1984    | 7,296           | 1,858 | 4,694 | 356,796 | 11,032  | 78,340  | 75,367  | 7,970  | 7,998  | 3,451     | 8,728  | —   |
| 1985    | 9,294           | 2,044 | 5,485 | 404,203 | 9,907   | 103,383 | 70,651  | 8,003  | 6,323  | 8,807     | 5,142  | —   |
| 1986    | 9,552           | 2,625 | 6,220 | 471,426 | 2,743   | 145,164 | 80,792  | 9,631  | 9,638  | 12,412    | 5,849  | 39  |
| 1987    | 9,377           | 3,225 | 6,134 | 453,232 | 19,595  | 96,127  | 93,761  | 14,466 | 10,953 | 14,228    | 9,444  | 72  |
| 1988    | 9,519           | 4,763 | 5,089 | 441,744 | 46,132  | 64,400  | 101,836 | 15,951 | 5,890  | 16,109    | 13,265 | 481 |
| 1989    | 8,936           | 6,311 | 5,100 | 473,641 | 62,297  | 37,935  | 90,224  | 21,885 | 9,748  | 15,418    | 18,545 | 435 |
| 1990    | 8,181           | 7,908 | 3,969 | 512,923 | 136,853 | 52,233  | 113,368 | 26,855 | 26,265 | 20,311    | 20,451 | 387 |
| 1990. 7 | 698             | 778   | 323   | 42,181  | 8,262   | 3,707   | 8,720   | 2,086  | 2,338  | 1,697     | 1,640  | 55  |
| 8       | 712             | 753   | 294   | 40,556  | 12,075  | 2,476   | 9,020   | 2,154  | 3,944  | 1,732     | 2,640  | 31  |
| 9       | 664             | 685   | 180   | 44,941  | 12,745  | 2,967   | 12,830  | 2,857  | 3,482  | 1,818     | 1,585  | —   |
| 10      | 589             | 726   | 223   | 43,630  | 14,559  | 2,270   | 9,934   | 2,295  | 2,137  | 1,630     | 1,817  | 21  |
| 11      | 672             | 736   | 334   | 44,359  | 17,358  | 4,852   | 9,165   | 2,959  | 2,057  | 2,058     | 1,766  | 19  |
| 12      | 590             | 611   | 338   | 40,063  | 7,843   | 6,007   | 8,311   | 2,136  | 1,387  | 2,060     | 640    | 73  |
| 1991. 1 | 746             | 787   | 330   | 51,520  | 13,163  | 13,227  | 9,176   | 1,936  | 1,231  | 2,014     | 398    | 27  |
| 2       | 655             | 591   | 373   | 41,837  | 9,818   | 7,061   | 9,813   | 2,668  | 3,812  | 1,533     | 214    | 144 |
| 3       | 725             | 642   | 416   | 46,794  | 11,185  | 8,376   | 10,055  | 3,126  | 2,500  | 1,920     | 311    | 257 |
| 4       | 738             | 755   | 427   | 48,730  | 10,814  | 8,149   | 7,776   | 1,924  | 1,001  | 1,930     | 360    | 238 |
| 5       | 503             | 746   | 190   | 53,914  | 9,960   | 10,122  | 8,270   | 2,390  | 1,428  | 1,807     | 523    | 504 |
| 6       | 729             | 450   | 403   | 48,526  | 12,362  | 7,682   | 8,085   | 1,552  | 1,319  | 1,788     | 334    | 716 |
| 7       | 668             | 798   | 343   | 51,666  | 11,225  | 8,644   | 7,102   | 1,871  | 1,232  | 1,865     | 294    | 847 |
| 8       | 775             | 590   | 421   | 49,623  | 11,581  | 8,369   | 9,385   | 2,071  | 3,572  | 1,674     | 344    | 445 |
| 9       | 723             | 598   | 435   | 52,443  | 8,383   | 9,295   | 8,715   | 1,835  | 1,946  | 2,079     | 281    | 628 |

〈석유화학, 1991 12월, p. 131〉

(KRICT 장지영)